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SCIENCE  
NORTH  
ANNUAL  
REPORT  
1989  
1990



# MISSION STATEMENT

The mission of Science North is to provide stimulating learning opportunities and experiences throughout Northern Ontario, in English and French, for both residents and tourists, which involve people in the relationships between science and technology and everyday life with a Northern emphasis.



An agency of the Ontario Ministry of Culture and Communications.



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# LETTER FROM THE CHAIRMAN

The Honourable Rosario Marchese  
Minister of Culture and Communications  
Queen's Park  
Toronto, Ont.

Dear Minister,

On behalf of the Board of Trustees of Science North, it is my pleasure to submit to you the Annual Report for 1989-90.

The past fiscal year has been one of the most fulfilling in Science North's history. Our fifth anniversary saw many milestones: a show of support by 5,000 local residents during anniversary celebrations, the arrival of the centre's one millionth visitor, and development of a new five year strategic plan.

A new, refined mission statement reflects a maturing perspective for Science North, while adhering to the principles which were at the heart of the original mission statement adopted in 1987. Central to this perspective is the "Science North Experience", reflected in a goal statement for the entire organization.

This statement encompasses the realization that Science North is a concept as much as a building. It is a philosophy and approach to science and technology; it is an experience.

While many science centres measure their size and success by documenting the number of exhibits contained within, Science North views exhibitory somewhat differently. It is quite impossible to say how many exhibits there are at Science North, and more importantly, it is not an important question. What is important is defining and clarifying the experiences available to Science North visitors.

The Board recognizes the staff of Science North for their outstanding initiative in developing new goals for the centre, while maintaining current standards of excellence. We look forward, Minister, to working closely with you and your Ministry to the further development of Science North as a successful science centre.

Sincerely,



Robert G. Gougeon  
Chairman  
Board of Trustees

# REPORT FROM THE CHIEF EXECUTIVE OFFICER

Science North has developed in its first five years a new sense of maturity and direction, built upon the success and progress of its experience.



Feelings of pride and accomplishment reached a climax during fifth anniversary celebrations, June 19, 1989. Science North had welcomed its one millionth visitor three weeks before, in a flurry of gifts, balloons, and media attention. Plans were being made to officially twin the Big Nickel Mine with an international attraction in Japan. An intensive Strategic Planning process had just been started to give the entire centre redefined goals.

Against this backdrop, Science North mounted its largest ever public birthday party. Over 5,000 people converged on the Bell Grove site, under perfect weather conditions, for a giant Science North Experience. Clowns entertained children with science-related activities. Professional musicians set the mood on an outdoor stage. The centre's new bus shuttled party-goers to and from the Big Nickel Mine. Some 2,800 people visited inside the science centre, before the evening culminated with a spectacular fireworks display.

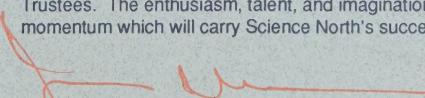
The celebration carried over to the end of the calendar year, when Science North reported its third consecutive attendance record. A total 286,453 visitors attended Science North, the Big Nickel Mine, and the Path of Discovery in 1989, a 3 per cent increase over 1988 attendance of 278,821.

An unprecedented number of capital initiatives were launched during the year. The Ministry's \$1.2 million capital allotment to Science North was the largest in the centre's history. Combined with other revenues, the centre's capital budget for 1989-90 was a record \$1.5 million.

A new Strategic Plan was developed in consultation with staff, community leaders, educational and tourism representatives, volunteers, government officials, and individuals from Northern communities.

The Plan establishes five strategic priorities for Science North during the next three to five years: Northern Services, Enhancement of the Bell Grove Experience, Development of the Big Nickel Mine, Development of Human Resources, and Improving the Marketing of the Centre.

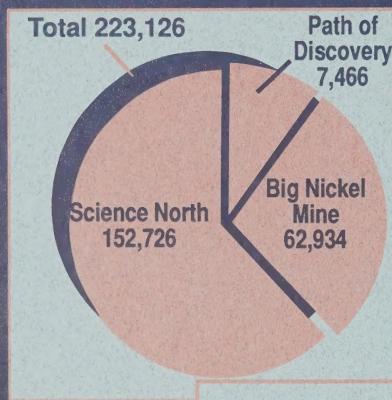
These priorities will be realized with the continued support of Science North staff, volunteers, and Trustees. The enthusiasm, talent, and imagination generated by our supporters have created a momentum which will carry Science North's successes into its first decade.



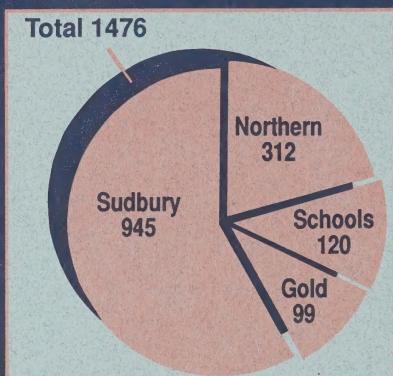
James Marchbank  
Chief Executive Officer

# FACTS AND FIGURES- April 1, 1989 to March 31, 1990

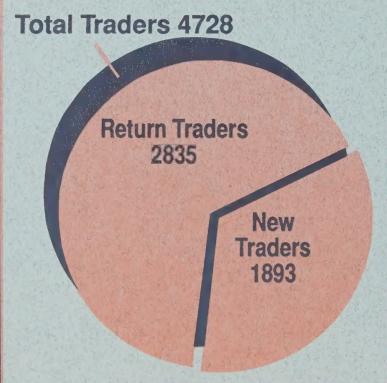
## Attendance



## Memberships



## Swap Shop



## Operating Hours

**Science North**  
Open year round.

**Big Nickel Mine**  
May 1, 1989 to October 9, 1989.

**Path of Discovery**  
Public tours from June 26, 1989 to September 4, 1989.

**Cortina Cruise**  
May 20, 1989 to October 1, 1989.

# NORTHERN SERVICES

The Science North Act requires Science North to serve all Northern Ontario. This is the centre's first strategic objective, which will be met by building a network of partnerships, learning opportunities and experiences, to involve the entire community in science discovery.

## Expanded reach

The first step to meet this Northern mandate in 1989 was to reorganize limited staff resources to maximum efficiency. A Deputy Science Director for Northern Services became responsible for five full-time staff comprised of three units: Community Programs, Extension Programs, and School Programs.

A temporary physical operations base for Northern programming was created in a portable office unit in November, with a long term objective to establish a permanent Outreach base in the Bell Grove Arena.

A \$240,000 grant through the Ministry of Northern Development and Mines facilitated the launch of a number of projects to create a year round Science North experience, and to expand the centre's reach, in Northern Ontario.

Plans have been developed to network satellite "Swap Shops" in six Northern communities, via computer from permanent bases in schools and libraries.

At the Swap Shop, items gathered from nature are assigned a point value, allowing collectors to build "equity" each time they make a trade. The computer network will make this credit system portable throughout the North.

A portable version of Bell Grove's "Alex Baumann Human Performance Lab" was developed for travel. Extension Services staff will use the exhibit to offer Canadian standard fitness tests in the North.



*Since the purchase of two custom-equipped Outreach vans in May, 1989, staff have logged approximately 37,000 kilometres, visiting cities and towns stretching from Kenora to Renfrew, and from Summer Beaver to Toronto.*

Alternatively, certified fitness appraisers who lack the resources to conduct tests, may borrow the equipment to offer the service in their home communities.

Science "toolboxes" were developed in the past fiscal year, for loan to schools and other interested groups across the North. Each toolbox will offer tools for scientific exploration, a guide for budding young scientists, and activity cards, designed to apply science to everyday life.

Toolboxes address five topics. Pollution, bubble, and prospecting toolboxes were funded by the Ministry of Northern Development and Mines. Financial assistance was provided by the Ministry of Natural Resources and the Canadian Forestry Service, for the development of forestry toolboxes, and by the Ministry of Energy, for energy toolboxes.

Telescope-making toolboxes will also be available to schools, to complement a portable planetarium exhibit. The inflatable planetarium, which uses small projectors to create a variety of images on a fabric dome ceiling, will be purchased with the assistance of the Ministry of Northern Development and Mines, Noranda Mines Ltd., and Falconbridge Ltd.

An Outreach program offers three unique approaches to communicating science. Activity stations present five or six science topics to large numbers of people. Individual programs are tailored to smaller groups, and may be custom designed. Workshops focus on equipment assembly, such as building a telescope.



*The Science North Swap Shop has proven to be an enormously successful concept at Bell Grove. In 1989-90, 5,000 visitors exchanged items collected from nature with natural objects contained in Science North collections.*

An Outreach summer program travels to provincial parks during the peak tourist season. Science activity

stations are offered during the day, an environmental show in early evening, and stargazing parties at night.

During the fiscal year, staff visited 58 schools, 27 parks, 11 libraries, seven community centres, shopping malls, museums, and extendicare residences, and four science fairs. Approximately 34,965 people in all were touched by the Science North experience.

This community network has been enhanced by the expansion of Science North "Discovery Camps" to children in Elliot Lake, Timmins, Sault Ste. Marie, and North Bay, supported by a Science Culture Canada grant. Discovery Camp is a summer program of leisure learning, utilizing local students as camp supervisors where possible.

Northern students from beyond Sudbury were hired to work at Science North last summer, under a Northern Student Employment Program. With the help of a

Ministry of Northern Development and Mines grant, 12 students from across Northern Ontario enjoyed a valuable and educational career experience.

The Science North experience has also been extended to teachers. In February, six specialty workshops were offered to 180 teachers from the Algoma District and Sault District Boards of Education. Staff also attended a "Chem-Ed" conference in Kingston, to interact with high school teachers from across Canada and the United States.

Response from the educational community has remained positive. In 1989-90, 39,270 school children took advantage of the centre's quality school programs, in English and French.

For a third consecutive year, the Sudbury Chapter of Caisse Populaire purchased memberships on behalf of local elementary level French language schools,

representing 11,250 students. Science North school memberships provide students and teachers with unlimited free admission to the centre's attractions and special events.

Memberships were also purchased by the English section of the Sudbury Roman Catholic Separate School Board, by individual public schools in Sudbury, and by the North Bay Roman Catholic Separate School Board.

Children's programming was expanded with the introduction of "Starting the 1990's", a week long science day camp which coincided with the Christmas school holiday. Two "Saturday Morning Magic" programs were also added to the roster of children's activities, providing younger children, ages 4 to 7, with the opportunity to participate in science programming every Saturday morning, during the month of February.

## ENHANCEMENT OF THE BELL GROVE EXPERIENCE

To fulfill a strategic need to build and strengthen the Bell Grove facility as the flagship of Science North, projects were initiated to take full advantage of natural and man-made physical features, and to improve science programming capabilities.

Chief among these projects was the acquisition of the Bell Grove Arena, located adjacent to the science centre. An agreement was reached in May, 1990 to purchase the property from the City of Sudbury for \$2,535 million.

An expanded physical plant is necessary to the evolution of the Bell Grove visitor experience. The new facility will be renovated to expand space available for exhibits and events by at least 50 per cent.

Phase one of renovations will link the arena and the Science North entrance building. The entrance to Bell Grove will move to this link and the existing entrance area will improve as a visitor orientation space. Phase



*Phase one of renovations will link the Bell Grove Arena (upper right), and the Science North entrance building (bottom left). By phase three, a circulation loop for visitors will link all three buildings.*

two will renovate the interior of the arena, to create a special events hall for travelling exhibits. Staff support space in the existing exhibit building will be moved into the arena, freeing a further 2,500 square feet for public programming.

Phase three will link the exhibit building with the arena to create a circulation loop for visitors. The cafeteria and gift shop will be relocated into the new facility, further enhancing orientation and marketing opportunities in the existing entrance area.

Plans were also explored and developed for the enhancement of outdoor grounds, in consultation with a Sudbury-based landscape architect. All full-time staff participated in the process, which involved extensive and imaginative input to develop the Bell Grove site and surrounding area as a park area, offering science opportunities suitable for self-initiated or guided activities.

## Cavern Show

Work began on development of a multi-media Cavern show, as a prime scientific attraction of the centre. A subcommittee of the centre's Scientific Program Committee was appointed in September to oversee development, with a target completion date of June, 1992.

The new multi-media production will use dramatic elements of object-theatre techniques and 3-D imaging to portray the genesis of the Sudbury Basin. Elements of the show will begin as visitors walk toward the Cavern through an underground tunnel, enhanced by images of crashing meteorites and impending volcanic eruption.

The main show features two principal cinematic characters—a grandfather who represents knowledge and a young girl who represents innocence and wonder. Their 3-D images will take the audience on a journey through the evolution of the Sudbury Basin. Special effects, such as lava bursting from a volcano, 3-D animation, and large scale objects, including a meteorite, will be interwoven against a background of 3-D 70 mm footage and 3-D laser imagery.

## Discovery Theatre

The Discovery Theatre has become a focal point for areas of science which currently fall outside of, or between, traditional sphere boundaries.

The 150-seat amphitheatre, located at the centre of the exhibit floors, is used to present live science demonstrations. Work began on a new show, focusing on environmental concerns not directly addressed by existing science spheres.

The show looks at the local environment, the consequences of industrial development on the earth and the atmosphere, and what is being done to correct the problem. This Science North production blends slides, live dialogue, and magic tricks, with a television news format.

## Astrosphere

Astrosphere was in the spotlight for much of the 1989-90 fiscal year, due to a special winter exhibition focusing on space transportation, and to an unusually high level of astronomical events.

"Our Voyage in Space", a special exhibition presented from January through March, offered an original Cavern show highlighting Canada's contributions to space travel and communications, and interactive activities on the exhibit floors. Opening weekend featured presentations by American and Canadian astronauts, which filled the 300-seat Cavern to capacity four times.

Final pictures of our solar system, sent back to earth by NASA's Voyager II spacecraft, were broadcast live at Science North via satellite. In August 1989, capacity audiences were treated to the first live pictures of Neptune on the giant Cavern screen. A panel of scientific experts was assembled to interpret images and to answer questions. A follow-up to this historic space encounter was provided by guest speaker Terrence Dickinson, in November.

Voyager's satellite images provided a wealth of permanent new exhibitory. High resolution images were transferred onto laser disc to create an electronic scrapbook. The scrapbook, together with educational software developed at Science North, has been made available to NASA, the University of California, a computer club in New York City, and to Apple Canada.

Astrosphere also provided special public programming during a spectacular lunar eclipse in August, 1989. Approximately 250 people took advantage of the free outdoor event, to watch the eclipse through telescopes and to learn from members of the Sudbury Astronomy Club and Science North astronomers.

## Infosphere

The "Music Studio", which invites visitors to create music, was upgraded with additional high-tech computer interfaces and musical instruments. The improvements expand visitor opportunities to



*Opening weekend of "Our Voyage in Space" featured presentations by American astronaut Jon McBride and Canadian astronaut Bob Thirsk. Thousands of people came out to hear the astronauts, and to request their autographs.*

experiment with equipment not usually accessible to the general public.

The sphere's shortwave radio station was also improved, for better public access. A new computer program allows visitors to select a country from a digitized map, to hear the language of that country, to review its demographics, and to choose a network for automatic broadcast on the shortwave radio.

A new "motion music" exhibit, and a voice controlled computer program, promote active interaction between visitors and technology. "Motion music" transmits a video image of visitors onto a computer monitor, which then generates sound at every movement. The voice controlled computer program gives visitors oral command of a Macintosh computer, in both English and French.

Capital improvements to Discovery Lab removed physical obstructions to create a more open and versatile space for public and school workshops. The Ministry of Energy has provided a grant to construct a renewable energy exhibit in the area, which will feature a small waterfall, solar panels, and other examples of renewable energy sources.

## Humanosphere

A \$600,000, three year capital enhancement of Humanosphere began with development of a new "Brain Show" object theatre and a major new "Sensory Surround" exhibit area.

Two contract staff were hired January 1 to accelerate development of the new exhibit, which is partially funded with a \$402,020 grant under the Health Innovation Fund of the Premier's Council on Health Strategy. Science North is one of the first agencies to receive funding under this program.

"Sensory Surround" includes a "vision lab", which offers a number of independent learning opportunities: measure your central and peripheral vision, assess your 3-D and binocular vision, and explore your eye



A new "Sensory Surround" exhibit in Humanosphere invites visitors to explore their inner eye with a "slit lamp" microscope.

with a "slit lamp" microscope, models, and mirrors.

In a new "speech and hearing" area, visitors are invited to test their skills at lip reading, to measure

sound levels at Science North and that of ordinary household appliances, to talk using an electrolarynx, to watch and listen to themselves speak, to test various models of hearing aids, and to speak into a delayed auditory feedback unit.

Work began on the "Brain Show", a new object theatre that will use original film, special effects, and audience participation, to explore the brain's ability to integrate information generated by the senses.

## Geosphere

Highlight of the year was the February official opening of a new "Rocks to Riches" exhibit by the Minister of Mines. This original, interactive display traces the processes of metal extraction from ore used in mills, smelters and refineries in the Sudbury region. Visitors grind, separate, and "smelt" Sudbury ore, thereby gaining an understanding of mineral processing and its resulting environmental impacts.

"Rocks to Riches" was developed with assistance from INCO Ltd., Falconbridge Ltd., and technical advisors from the community, and with the support of the Women's Association of the Mining Industry of Canada.

Geosphere also illustrated Science North's ability to respond to current, "real" science, during the San Francisco earthquake of October 17. Within hours of the event, Geosphere responded to public demand for information with maps, seismic read-outs, and interviews to the news media. The sphere's efforts were co-ordinated with Infosphere, which mobilized volunteer shortwave radio operators to monitor calls from the stricken area.

## Biosphere

Biosphere marked the official March opening of a new "Forestry" exhibit, by the Minister of Natural Resources. The exhibit was developed with the assistance of a two year, \$75,000 grant, provided by the Ministry of Natural Resources and the Canadian

Forestry Service.

"Forestry" introduces visitors to forest ecology and forest management through hands-on activities. The exhibit consists of six components: forest ecology, fire ecology, forest insects, managing the forest, forest products, and forestry toolboxes.

"Forest ecology" traces the life cycle of a forest.

"Fire ecology" features a 225-year-old red pine tree, which was scarred by fire three times during its life. "Forest insects" examines the unique niche insects inhabit in the forest, with live insect displays. "Managing the forest" looks at how and why we manage the forests. "Forest products" displays a variety of wood products, including paper made by visitors to the exhibit.

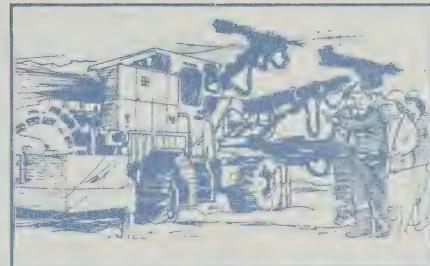
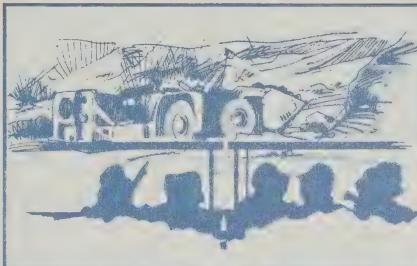
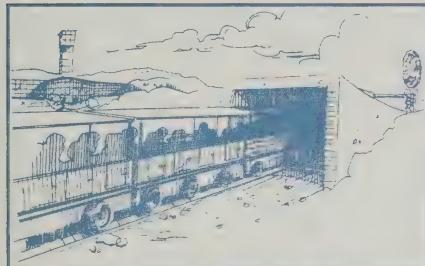
## Atmosphere

A microclimate exhibit was undertaken in Atmosphere. It consists of a five-metre-high tower anchored to rock just outside the exhibit area. A number of temperature sensors were installed at various heights on the tower, and down to a depth of three metres into the rock. Temperature readings from these sensors are fed into a Macintosh computer, where visitors can learn and appreciate what the weather conditions are in the ground and close to the ground.

A new exhibit on ozone was undertaken in early 1990. It is now possible for visitors to see how many millimetres of ozone there are over the northern hemisphere. This data is generated using meteorological data from two weather maps. An award winning film on ozone science in Canada is also available in the Atmosphere video theatre.

The Atmosphere lab offered two new school programs: "Investigating the Atmosphere" and "Weather Instruments". Both programs provided schoolchildren with hands on opportunities for investigating the weather, from building their own weather instruments, to making snow crystals, learning about air pollution, and playing with air bubbles in a variety of liquids.

# DEVELOPMENT OF THE BIG NICKEL MINE



*The first phase of Big Nickel Mine development will include expansion of underground tunnels, provision of a personnel carrier for visitors, installation of a larger cage (elevator), construction of underground theatre, and improvements to existing surface facilities.*

Now is the time to develop the Big Nickel Mine as a high-quality participatory experience to interpret the science, technology, and history of the mining industry in Northern Ontario.

Science North has transformed the Big Nickel Mine into the most popular real underground experience in Canada, since acquiring the facility from private owners in May, 1981. Knowledgeable guides offer quality underground public tours on a daily basis, from May to October.

While attendance at the Mine remains higher than similar Canadian attractions, it has slowly declined over the past three years. In 1989, attendance was down four per cent to 70,400, from 73,436 in 1988. The Mine demonstrates old mining technology, and has little variety of programming. Unless the facility is fully developed, attendance at the Big Nickel Mine will inevitably remain constant or decline.

An expanded Big Nickel Mine will complement the investment the government of Ontario has made to mining in Sudbury, and will reflect Northern Ontario's status in the international mining community. The Big

Nickel Mine must become a place where visitors experience the thrill and mystique of going underground, as well as the past, present, and future of mining in Ontario.

The Big Nickel Mine Planning Committee has approved a site development plan, designed by the Sudbury firm of Dewit & Castellan Architects. A development committee is now carrying the plan forward.

Work by the development committee will continue through the fiscal year. In the interim, initiatives were taken for the 1990 season to increase the Mine's educational market share from 1989 levels of 6,595 visiting schoolchildren. Two school programs were developed to provide additional educational components to the underground tour.

Highlight of the year was the official twinning of the Big Nickel Mine with Mineland Osarizawa, a tourist mine located in Kazuno City, Akita Prefecture, Japan. Opened to the public in 1982, Mineland Osarizawa now attracts 450,000 visitors a year and has begun an expanding tourism industry in Kazuno.

The partnership was initiated by Mineland Osarizawa Managing Director Shokichi Nakamura, who visited the Big Nickel Mine as a tourist in 1987, and who led a delegation to Sudbury in July, 1989, for the twinning.

This international link will be a source for continuing exchange of operational information and future exchanges of technology.

## Path of Discovery

Science North operated its own tour bus on the Path of Discovery. Purchase of the 29-passenger vehicle resulted in a 23 per cent increase in attendance over 1988, from 6,093 to 7,466. This is the third consecutive year that the surface geology and mining plant bus tour has experienced a high rate of growth.

INCO Ltd. continued to support the tour by providing access to its property, retired miners as additional tour guides, and a total 10,000 maps and pamphlets as souvenirs for passengers.

# DEVELOPMENT OF HUMAN RESOURCES

Science North recognizes the importance of attracting, retaining, and developing high-quality human resources, including full and part-time staff, volunteers, and summer students.

Leadership has been provided by the appointment of a Manager of Human Resources, to develop human resource systems to attain this goal.

- Systems were implemented, in January, to update the organization's salary plan on an annual basis, to remain current and in compliance with Pay Equity legislation.
- The centre's first annual professional development plan was finalized, maximizing the organization's financial resources to develop staff to their full potential.
- Commitment to French language service continued, with in-house training provided to all staff.
- A multi-cultural training program for staff and volunteers, to heighten sensitivities of ethnic backgrounds, was developed with assistance from the Ministry of Culture and Communications.



Science North's 300 volunteers, ranging in age from 13 to 86, perform a variety of tasks at the centre, ranging from exhibit interpretation and development to clerical duties and admissions.

## Staff recognition

Recognition of staff and volunteers was formalized over the past fiscal year. In conjunction with Science North's fifth anniversary, 16 staff were honoured for contributing five or more years service and dedication to the centre.

Community recognition was bestowed upon two Deputy Science Directors. The Directors, Donna Salem and Jennifer Pink, were presented with the Bernadine Yackman Award by the Sudbury Business and Professional Women's Club, for acting as outstanding role models in their place of employment.

Science North's 300 volunteers were honoured for

donating over 19,000 hours to Science North during 1989-90. With a diversity of talent, volunteers ranging in age from 13 to 86 perform a variety of tasks at the centre, ranging from exhibit interpretation and development to clerical duties and admissions.

For the first time, the centre developed a volunteer youth award to be presented to youth between the ages of 13 and 19, on an annual basis beginning in the 1990-91 fiscal year. Six adult volunteers were also nominated to receive bronze Trillium pins from the province for five years of active service.

Science North staff remained active with affiliated

organizations. Deputy Science Director Alan Nursall was re-elected president of the Canadian Council of Science Centres (CCSC), with a mandate to promote public participation and enjoyment of science. In October, Science North played host to 50 CCSC delegates, representing 12 member institutions from across Canada, as well as science centres in Orlando and Helsinki.

The annual conference provided Science North staff with an excellent opportunity to learn from their colleagues and to impart a little of their own wisdom at the same time.

# IMPROVING MARKETING OF THE CENTRE

A Marketing orientation is developing throughout Science North, in recognition that responsibility for bringing people to Science North, and bringing Science North to people, is shared by all staff.

Science North continued to build target audiences in 1989-90, in its five major markets of Sudbury Region, Northern Ontario, Southern Ontario, other provinces, and the United States, with special events and promotions.

The centre's summer promotional campaign focuses on a 200 km radius of Sudbury to improve cost effectiveness and to capture traffic already in the area for reasons other than to visit Science North. Media buys are purchased on a two-for-one basis in a co-operative effort with Lakelands Beverages, bottlers of Pepsi-Cola.

Media relations efforts in Northern and Southern Ontario continued during the reporting period, as did continued participation in retail travel shows in southern Ontario, and motor coach industry marketplaces in Canada and the United States.

The centre extended its reach into Northern Ontario with a "Northern Membership" program, which grew from 280 to 312 memberships over the year. The program provides residents outside the Region of Sudbury with easier access to the centre and its services.

Science spheres initiated a number of special events fulfilling the centre's mandate to provide stimulating learning opportunities and experiences. Science North's 1,356 members, representing approximately 5,200 people, continue to provide a loyal audience for these unique learning opportunities.

A Science North "speakers' fund" was used for the first time to host Canadian astronomer Ian Shelton, in February. His presentation, initiated by AstroSphere



*A Science North "speakers' fund" was used for the first time to host Canadian astronomer Ian Shelton, in February.*

to coincide with Our Voyage in Space, marked the third anniversary of his internationally famous discovery of the first visible supernova in the past 400 years.

Fundraising initiatives by a committee of the Science North Board of Trustees and individual program areas were facilitated by a variety of committees and departments.

Science North's 99 Gold Members, representing 255 business people, contributed over \$18,860 to the centre's capital fundraising efforts in 1989-90.

The Greg Neilson Memorial Fund, established by friends in memory of a former Science North employee, received private donations over the past fiscal year. The fund will be used to send disadvantaged children to Science North summer camps, including Discovery Camp. The fund also received contributions from a volunteer Gourmet Dinner committee, through its annual January event.

For a second consecutive year, a volunteer "Support for Science Group" raised capital funding for AstroSphere, through the sale of Science North lottery tickets.

Staff and volunteers raised capital funding for Humanosphere with "Canoe Challenge '89". The combined fundraising and public relations event was presented in co-operation with the Sudbury General Hospital, in July.

The centre was an active participant in the "Cities of the North" marketing group, formed in 1988 to package Northeastern Ontario as a destination region for the commercial bus tour industry in southern Ontario and the United States. The group is comprised of tourism development officers, attractions, and travel associations from Sudbury, Sault Ste. Marie, North Bay, and Timmins.

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Ms. Georgette Mitchell  
Mr. Richard Stewart  
Mr. Lawrence Tregonning  
Mr. Hervé Tremblay

# SCIENCE NORTH STAFF

As of March 31, 1990

**Chief Executive Officer**  
James Marchbank

**Executive Secretary**  
Joyce Elliott

**Science Director**  
Tom Semadeni

**Deputy Science Directors**  
Alan Nursall  
Donna Salem  
Jennifer Pink

**Senior Secretary**  
Janine Pigozzo

**AstroSphere**  
Steve Dodson, Astronomer  
Andrew Yee, Staff Scientist

## **Atmosphere**

**Lewis Poulin, Manager**  
Michael Grace, Staff Scientist  
Gerhard Schinko, Staff Scientist

## **Biosphere**

**Franco Mariotti, Manager**  
Wendy Runions, Staff Scientist  
Sandra Corbeil, Staff Scientist

## **Geosphere**

**Ruth Debicki, Manager**  
Claude Boivin, Staff Scientist  
Michelle Durant, Staff Scientist

## **Humanosphere**

**Colleen Zillo, Manager**  
Marie Foran, Staff Scientist  
Dan Kimmerer, Staff Scientist  
Rick Sowerby, Research Assistant

## **Infosphere**

**Munkith Al-Najjar, Manager**  
Kent Gardner, Staff Scientist  
Michel Maillet, Staff Scientist

## **Big Nickel Mine**

**Brenda Tremblay, Big Nickel Mine Manager**

## **Northern Services**

**Nicole Chiasson, Extension Programs Manager**  
Michael Bruneau, Staff Scientist  
Anthony Ingram, Staff Scientist  
Cathy Stadler-Wise, Staff Scientist  
Pierre Harrison, Staff Scientist

## **Marketing**

**Viviane Lapointe, Marketing Manager**  
Chloe Gordon, Development Officer  
Janyce Bain, Special Events Co-ordinator  
Pat Johnson, Promotion Officer  
Denis Ferlatte, Promotion Officer  
Mireille Wright, Graphic Artist

## **Design Services**

**Diane Drinkwater, Design Services Manager**  
Astrid Colton, Graphic Artist

## **Human Resources**

**Leslie Stanford, Human Resources Manager**  
Denise Fera, Personnel Officer  
Jeanne Turgeon, House Manager  
- , Head Cashier  
Carol Lalande, Volunteer Co-ordinator

## **Finance**

**Carolyn Thain, Controller**  
Kelly Lefroy, Accountant  
Denise McChesney, Accounts Payable Clerk  
Pierrette Lacelle, Finance Clerk

## **Computers**

**Dave Kelly, Computer Services Manager**  
Graham Dudley, Computer Scientist

## **Physical Services**

**Daryl Potvin, Physical Services Manager**  
Ron Lalancette, Maintenance Manager  
Bill Mann, Maintenance Technician  
Frank Pilkington, Maintenance Technician  
Paul Loiselle, Maintenance Technician  
Lazarre Ferron, Carpenter  
Donald Greco, Carpenter (apprentice)  
Tasio Gregorini, Shipper/Receiver

## **Program Production**

**Dave Lickley, Senior Producer**  
Robert Gagné, Associate Producer  
Phil Morrow, A.V. Technician - Lighting  
Gabriel Trudel, Electronics Technician  
Tom O'Brien, Projectionist

## **Secretarial Services**

**Eileen Kotila, Secretary**  
Diane Rossi, Secretary  
Carey Roy, Secretary  
Suzanne Desloges, Secretary  
Denise Roy, Receptionist

# SCIENCE NORTH DONORS



## Founders

Province of Ontario  
Government of Canada  
Inco Ltd.  
Falconbridge Ltd.  
The Corporation of the City of Sudbury  
The Regional Municipality of Sudbury

## Benefactors

United Broadcasting Ltd.  
Hewlett-Packard (Canada) Ltd.

## Patrons

Atlas Steels  
Bank of Montreal  
Bank of Nova Scotia  
Canadian Imperial Bank of Commerce  
Harry Melnychuk Memorial Trust Fund  
Mid-Canada Communications Ltd.  
The Royal Bank of Canada.  
The R. Samuel McLaughlin Foundation  
Science North Gourmet Dinner Committee  
Shell Canada Ltd.  
Toronto Dominion Bank  
W.E. Mason Foundation

## Builders

Abitibi-Price Inc.  
Acme Building and Construction Ltd.  
Bell Canada  
C.I.L. Inc.  
Canadian Pacific Ltd.  
Cavalier Beverages - Pepsi, Seven-Up, Crush  
Imperial Oil Ltd.  
J.P. Bickell Foundation  
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The Molson Companies Ltd.  
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Texaco Canada Resources Ltd.  
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## Founding Members

The Atkinson Charitable Foundation

## Campeau Corporation

Canada Trust Company  
Canadian National Railway Company  
Canadian Tire Corporation  
Dome Mines Limited  
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Gulf Canada Ltd.  
Imasco Ltd.

J.S. Watson and Associates Ltd.

LOEB Inc. and I.G.A. Stores  
McDonald's Restaurants of Northeastern Ontario  
National Bank of Canada  
Northern and Central Gas Corp. Ltd.

Petro-Canada

Power Corporation  
The Richard Ivey Foundation  
Science North Auxiliary Group (1984-1985)  
Science North Lottery Committee - 1987  
Sudbury Boys' Home Trust Fund  
Thorne Ernst & Whitney Chartered Accountants  
Townend, Stefura, Baleshta & Nicholls

## Associates

The A.E. LePage Charitable Foundation  
S.M. Blair Family Foundation  
Canadian Geological Foundation  
Carrington's Beaver Lumber  
Cortina Pizza  
Crown Life Insurance Company  
Desmarais, Keenan, Barristers and Solicitors  
Henninger's Diesel Ltd.  
Hinds and Sinclair Barristers and Solicitors  
Kinsmen Club of Sudbury  
Lions Club of Sudbury  
London Life Insurance Co.  
Montreal Trust Company  
Muirhead Stationers Inc.  
Multi-Care Systems Ltd.  
Mutual Life Insurance Company of Canada  
Richardson - Greenshields  
The Senator Norman M. Paterson Foundation  
Sheraton-Caswell Inn  
Support for Science Group (1988-89)  
Support for Science Group (1989-90)

## Friends

Air Canada  
David, Barbara, Michael, Tamara,  
Shaune Adamson  
Algoma Central Railway  
E. & D. Bamberger  
Lorraine Book  
Brunton, Browning, Day & Partners  
Mr. & Mrs. Robert & Bess Bryson  
Birks Family Foundation  
Miss Frances Cadeau  
Canada Cement Lafarge Ltd.  
Canada Packers Inc.  
Canada Permanent Trust Company  
Canadian General Electric Company Ltd.  
Central Guaranty Trust  
Le Chapitre des Caisses Populaires de la Région  
de Sudbury  
Oscar & Evelyn Chappell, Hyliard & Grace Chappell  
Club Montessori  
Barney & Sheila Cook  
Jim Cormack and Family  
Dr. & Mrs. D.F. Crang  
Jim Cuming  
John A. & Lesley Desotti  
In Memory of Mary & Armie Didone  
Entomological Society of Canada  
Carter & Allison Esau  
N.J. Forest  
The Gauvreau School of Performing Arts  
Ryann Gavin  
Dr. & Mrs. R.D. Ghent  
Mr. & Mrs. Robert G. Gougeon & Family  
In Memory of Doris Goulding Sutherland  
James & Aileen Grassby  
Mr. & Mrs. T.L. Hennessy  
Geale & Peg Hewson  
Honeywell Limited  
House of Broadloom & the Stewart Family  
Imperial Optical of Canada  
Interprovincial Pipe Line Inc.  
The Jensens - Chris, Ruby, Gitte & Eric  
Dr. & Mrs. Zul Juma  
Mr. & Mrs. Peter Kenny  
John & Marilyn King

Lacroix, Forest & Del Frate  
Dr. & Mrs. Edwin Lam & Family  
Bernie & Mary Langlois  
Marcel and Marie Leblanc, Darren and Catherine  
Little Long Lac Gold Mines  
Mallette-Goring and Associates Ltd.  
Mr. & Mrs. Larry Marconi  
W. Bruce Martin Insurance Ltd.  
Dr. A. Mathur and Family  
McEndon Limited  
Dr. James McNally and Mrs. Wendy  
McNally, Seumas & Philippe  
Pauline & James T. Miller  
Tony Monteleone  
Fred, Joseph & Peter Pagnutti  
Ray & Connie & Kevin Philion  
Pinkerton of Canada Ltd.  
Mr. & Mrs. L.A. Pope  
Procter and Gamble Inc.  
Mr. & Mrs. Alan Querney  
Ramsey Lake Navy  
Bill & Shaen Rolston  
Royal Insurance of Canada  
In Memory of R.P. "Reg" Rumball  
The Semadeni Family  
Sherritt Gordon Mines Ltd.  
Sir Joseph Flavelle Foundation  
Ward & Madge Skinner  
The Sorensens, Tom, Karen, Kristee, Kory  
Sostarich, Ross, Wright, Cecutti & Didone -  
Chartered Accountants  
Ken & Janet Stonley  
Tassé Automobiles Ltd.  
Robert & Heather Topp  
Dr. & Mrs. A.J. Valiaho  
Judge & Mrs. Ronald Warren & Family  
Mr. & Mrs. Coleman Young





# AUDITED FINANCIAL STATEMENTS

MARCH 31, 1990

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# AUDITORS' REPORT

**To the Honourable Minister of Culture and Communications of the Province of Ontario and the Board of Trustees of Science North.**

We have examined the balance sheet of Science North as at March 31, 1990 and the statements of changes in fund balances and investment in capital assets for the year then ended. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests and other procedures as we considered necessary in the circumstances.

In our opinion, these financial statements present fairly the financial position of the Centre as at March 31, 1990 and the results of its operations and changes in its fund balances for the year then ended in accordance with the basis of accounting as described in the Summary of Significant Reporting Practices and Accounting Policies applied on a basis consistent with that of the preceding year.

**Peat Marwick Thorne**  
Chartered Accountants

Sudbury, Canada  
May 22, 1990

# BALANCE SHEET

|                                  | March 31                  |                           |
|----------------------------------|---------------------------|---------------------------|
|                                  | 1990                      | 1989                      |
| <b>Assets</b>                    |                           |                           |
| <b>Current Assets</b>            |                           |                           |
| Cash and short-term investments  | \$ 716,668                | \$ 185,818                |
| Accounts receivable              | 58,805                    | 213,336                   |
| Prepaid expenses                 | 63,056                    | 26,123                    |
|                                  | <hr/> 838,529             | <hr/> 425,277             |
| <b>Restricted Fund Assets</b>    |                           |                           |
| Cash                             | 186,524                   | 17,426                    |
| Marketable securities            | 1,343,575                 | 1,259,859                 |
| Due from operating fund (note 1) | 51,028                    | 71,503                    |
| Accrued interest receivable      | 81,560                    | 71,503                    |
|                                  | <hr/> 1,662,687           | <hr/> 1,348,788           |
| <b>Capital Assets</b>            |                           |                           |
| Bell Grove Site                  | 20,862,634                | 20,701,885                |
| Exhibits                         |                           |                           |
| Bell Grove                       | 8,025,722                 | 7,183,120                 |
| Big Nickel Mine                  | 2,232,465                 | 2,209,569                 |
|                                  | <hr/> 31,120,821          | <hr/> 30,094,574          |
|                                  | <hr/> <hr/> \$ 33,622,037 | <hr/> <hr/> \$ 31,868,639 |

|  | March 31            |                     |
|--|---------------------|---------------------|
|  | 1990                | 1989                |
| <b>Liabilities and Equity</b>            |                     |                     |
| <b>Current Liabilities</b>               |                     |                     |
| Accounts payable and accrued liabilities | \$ 214,707          | \$ 250,999          |
| Deferred revenue                         | 105,431             | 45,467              |
|  | 320,138             | 296,466             |
| Due to restricted fund (note 1)          | 51,028              | -                   |
| <b>Equity</b>                            |                     |                     |
| Reserves and restricted funds (note 2)   | 1,662,687           | 1,348,788           |
| Unexpended capital funds                 | 467,363             | 128,811             |
| Investment in capital assets             | 31,120,821          | 30,094,574          |
|  | 33,250,871          | 31,572,173          |
|  | <hr/> \$ 33,622,037 | <hr/> \$ 31,868,639 |

Economic Dependence (note 3)

Commitment (note 4)

APPROVED BY THE BOARD:



Trustee

Trustee

# STATEMENT OF CHANGES IN FUND BALANCES

Year ended March 31, 1990

|                                       | Operating    | Capital      | Reserves & Restricted Funds | 1990 Total   | 1989 Total   |
|---------------------------------------|--------------|--------------|-----------------------------|--------------|--------------|
| <b>Revenue</b>                        |              |              |                             |              |              |
| Government grants and subsidies       |              |              |                             |              |              |
| Province of Ontario                   |              |              |                             |              |              |
| Operating                             | \$ 2,921,256 |              |                             | \$ 2,921,256 | \$ 2,808,900 |
| Capital                               |              | \$ 1,200,000 |                             | 1,200,000    | 580,000      |
| Specific                              | 187,710      | 81,698       |                             | 269,408      | 96,134       |
| Employment                            | 59,440       |              |                             | 59,440       | 63,904       |
|                                       | 3,168,406    | 1,281,698    |                             | 4,450,104    | 3,548,938    |
| Government of Canada                  |              |              |                             |              |              |
| Specific                              | 161,696      | 11,278       |                             | 172,974      | 163,995      |
| Employment                            | 60,267       |              |                             | 60,267       | 72,462       |
|                                       | 221,963      | 11,278       |                             | 233,241      | 236,457      |
| Attendance and other                  |              |              |                             |              |              |
| Bell Grove                            | 582,147      |              |                             | 582,147      | 643,951      |
| Big Nickel Mine                       | 210,184      |              |                             | 210,184      | 192,670      |
| Other program revenue                 | 61,356       |              |                             | 61,356       | 29,308       |
| Memberships                           | 72,008       | 18,864       |                             | 90,872       | 83,321       |
| Parking                               | 46,969       |              |                             | 46,969       | 53,280       |
| Food and gift shops                   | 189,549      |              | \$ 38,919                   | 228,468      | 204,880      |
| Miscellaneous                         | 17,490       | 57,326       |                             | 74,816       | 34,885       |
| Gifts and contributions               |              | 22,670       | 11,468                      | 34,138       | 208,495      |
| Proceeds from capital asset disposals |              | 1,341        |                             | 1,341        | 22,765       |
| Interest earned                       | 161,155      |              | 137,583                     | 298,738      | 169,522      |
|                                       | 1,340,858    | 100,201      | 187,970                     | 1,629,029    | 1,643,077    |
|                                       | \$ 4,731,227 | \$ 1,393,177 | \$ 187,970                  | \$ 6,312,374 | \$ 5,428,472 |

|  | Operating    | Capital           | Reserves &<br>Restricted<br>Funds | 1990<br>Total       | 1989<br>Total       |
|--|--------------|-------------------|-----------------------------------|---------------------|---------------------|
| <b>Expenses and other</b>                        |              |                   |                                   |                     |                     |
| Scientific program                               | \$ 2,036,783 | \$ 730,301        |                                   | \$ 2,767,089        | \$ 2,370,350        |
| Physical plant                                   | 1,092,857    | 181,239           | \$ 39,785                         | 1,313,881           | 1,236,499           |
| Administration                                   | 633,835      | 220,231           |                                   | 854,066             | 669,579             |
| Marketing and special events                     | 474,193      |                   | 2,523                             | 476,716             | 594,685             |
| Human resources                                  | 248,171      |                   |                                   | 248,171             | 206,319             |
|  | 4,485,844    | 1,131,771         | 42,308                            | 5,659,923           | 5,077,432           |
| <b>Change in year before interfund transfers</b> | 245,383      | 261,406           | 145,652                           | 652,451             | 351,040             |
| Interfund transfers                              | (245,383)    | 77,146            | 168,237                           | -                   | -                   |
| <b>Net Change in the Year</b>                    | <b>NI</b>    | <b>338,552</b>    | <b>313,899</b>                    | <b>652,451</b>      | <b>351,040</b>      |
| Fund balance at beginning of year                | NI           | 128,811           | 1,348,788                         | 1,477,599           | 1,126,559           |
| <b>Fund Balance at End of Year</b>               | <b>\$ NI</b> | <b>\$ 467,363</b> | <b>\$ 1,662,687</b>               | <b>\$ 2,130,050</b> | <b>\$ 1,477,599</b> |

## STATEMENT OF INVESTMENT IN CAPITAL ASSETS

|  | Year ended March 31  |                      |
|--|----------------------|----------------------|
|  | 1990                 | 1989                 |
| Balance at beginning of year                     | \$ 30,094,574        | \$ 29,788,148        |
| Add:   |                      |                      |
| Capital fund expenditures                        | 1,131,771            | 818,291              |
| Replacement, alterations and minor capital items | 105,524              | 511,865              |
|  | 1,026,247            | 306,426              |
| <b>Balance at End of Year</b>                    | <b>\$ 31,120,821</b> | <b>\$ 30,094,574</b> |

# NOTES TO FINANCIAL STATEMENTS

Year ended March 31, 1990

## General

Science North is an Agency of Her Majesty created under the Science North Act, 1986 by the Ontario Legislative Assembly. The principal activities of Science North (hereinafter referred to as the "Centre") include the operation of an exhibition centre demonstrating the relationship between science and technology and everyday life to tourists and visitors in Northern Ontario and the surrounding communities.

## Summary of Significant Reporting Practices and Accounting Policies

### Significant Reporting Practices

The financial statements of the Centre have been prepared by management in accordance with generally accepted accounting principles with the following exceptions:

i) Depreciation is not recorded in the accounts and the cost of replacements are accounted for as charges against the fund to which they pertain.

ii) Capital grants, donations and pledges other than for specific purposes are accounted for on a cash basis.

iii) Vacation pay is provided for in the accounts to the extent of part-time and non-permanent employees only. Vacation pay entitlements for full-time employees are accounted for on a cash basis (note 4).

Because the Centre receives funding for special purposes as well as for operational purposes, the financial statements are presented in a manner which segregates the following fund balances:

a) Operating funds, which present the day-to-day demonstrative, administrative and maintenance operations

of the Centre. Costs incurred by the fund relating directly to other funds are accounted for as a transfer between funds.

b) Capital funds, which present those funds made available for capital acquisitions, replacements and enhancements through government grants, donations and certain special fund raising activities. Unexpended capital funds represent budgeted capital expenditures not yet incurred. Unfinanced capital represents capital expenditures made but not yet financed.

c) Reserves and restricted funds, which present certain funds set aside by the Centre for restricted purposes, some to be used at the discretion of the Board of Trustees and others as proscribed by the Province of Ontario, the Centre and other benefactors which are restricted as to purpose and expendability.

### Significant Accounting Policies

These financial statements are prepared in accordance with the following significant accounting policies:

#### Marketable Securities

Restricted fund marketable securities are recorded at cost.

#### Capital Assets

Capital assets are stated at cost or fair market value if donated. The exception to this policy is the Bell Grove land donated to the Centre by the City of Sudbury. No amount has been assigned to this asset.

Capital assets purchased from grants and donations are included as capital assets with a corresponding increase in investment in capital assets.

Replacements of existing capital assets are charged to capital funds and are not reflected on the balance sheet.

#### Investment Income

The Centre allocates investment income earned on the following bases:

- i) on operating funds - - - to the Operating Fund
- ii) on capital funds - - - to the Operating Fund
- iii) on restricted funds - - - to the Restricted Fund

## 1. Due to Restricted Fund

The amount due to the restricted fund is repayable in monthly instalments of \$1,400 including principal and interest calculated at the average yield of Science North's previous year's investment portfolio.

## 2. Reserves and Restricted Funds

The reserves and restricted funds are comprised of the following:

|                        | 1990         | 1989         |
|------------------------|--------------|--------------|
| Capital Renewal Fund   | \$ 1,314,374 | \$ 1,191,323 |
| Other Restricted Funds | 311,810      | 140,039      |
| Reserves               | 36,503       | 17,426       |
|                        | <hr/>        | <hr/>        |
|                        | \$ 1,662,687 | \$ 1,348,788 |

## 3. Economic Dependence

Pursuant to the Act which established Science North, the Centre receives capital and annual operating assistance from the Province of Ontario which has the power to appoint the Board of Trustees who in turn manage the affairs of the Centre.

## 4. Commitment

The unrecorded liability with respect to vacation pay entitlements for full-time employees amounts to approximately \$123,000 as at March 31, 1990 (1989, \$78,000).

## 5. Comparative Figures

Certain 1989 comparative amounts have been reclassified to conform with the presentation adopted for 1990.



|                 |                            |         |          |                    |                      |                 |           |                                |                     |                                     |                           |                          |                              |                                       |  |                                       |                              |           |
|-----------------|----------------------------|---------|----------|--------------------|----------------------|-----------------|-----------|--------------------------------|---------------------|-------------------------------------|---------------------------|--------------------------|------------------------------|---------------------------------------|--|---------------------------------------|------------------------------|-----------|
| Administrati on | Reserves et fonds assortis | Capital | générale | Depenses et autres | Programme secondaire | Administrati on | Spéciaux  | Commercia lisation et échanges | Ressources humaines | Exercice ayant les virements centre | Virements entre les fonds | Exercice clos le 31 mars | Solde au début de l'exercice | Solde du fonds au début de l'exercice | Evolution nette au cours de l'exercice | Solde du fonds au début de l'exercice | Solde au début de l'exercice | Autres    |
| 1989            | 1990                       | 1990    | 1989     | 2 370 305 \$       | 2 767 093 \$         | 1 092 837       | 1 181 239 | 39 785 \$                      | 220 231             | 633 835                             | 1 131 188                 | 1 236 499                | 474 193                      | 248 171                               | 2 523                                  | 476 716                               | 594 685                      | 4 485 844 |
|                 |                            |         |          | 2 036 788 \$       | 2 301 \$             |                 |           |                                |                     |                                     |                           |                          | 1 131 771                    | 42 308                                | 5 659 923                              | 5 077 433                             |                              |           |
|                 |                            |         |          |                    |                      |                 |           |                                |                     |                                     |                           |                          |                              |                                       |  |                                       |                              |           |
|                 |                            |         |          |                    |                      |                 |           |                                |                     |                                     |                           |                          |                              |                                       |  |                                       |                              |           |

# INVESTISSEMENT DANS LES IMMOBILISATIONS

## ÉVOLUTION DES SOLDES DES FONDS

exercice clos le 31 mars 1990

| PASSIF ET SITUATION NETTE           |                                |
|-------------------------------------|--------------------------------|
| 1990                                | 1989                           |
| 31 MARS                             |                                |
| Passif à court terme                | Créditeurs et frais courus     |
| 250 999 \$                          | 214 707 \$                     |
| 45 467                              | 105 431                        |
| 296 466                             | 320 138                        |
| Revenu reporté                      | Passif à court terme           |
| Somme à payer aux fonds assortis de | restictions (note 1)           |
| 51 028                              |                                |
| Situation nette                     | Reprises et fonds assortis de  |
|                                     | restictions (note 2)           |
|                                     | Fonds de capital intillises    |
|                                     | 30 945 74                      |
|                                     | 31 120 821                     |
|                                     | 467 363                        |
|                                     | 128 811                        |
|                                     | 1 348 788                      |
|                                     | 33 250 871                     |
|                                     | 31 572 173                     |
|                                     | 33 622 037 \$                  |
|                                     | 31 868 639 \$                  |
| Dependance économique (note 3)      | Dependance économique (note 4) |
| AU NOM DU CONSEIL,                  | Administrateur                 |
|                                     | Administrateur                 |

MAGIUS

## BRITISH

1989 31 MARS 1990

31 MARS

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# RAPPORT DES VERIFICATIONS

Au Ministre des Affaires culturelles et  
des Communications de la province de  
l'Ontario et aux membres du conseil  
d'administration de Science Nord

# VERIFICATIONS

Nous avons vérifié le bilan de Science Nord au 31 mars 1990 ainsi que les écrits de l'évolution des soldes des fonds et de l'investissement dans les immobilisations de l'exercice clos à cette date. Notre vérification a été effectuée conformément aux normes de vérification généralement reconnues, et a comporté les sondages et autres procédures que nous jugeons nécessaires dans les circonstances.

A notre avis, ces écrits financiers présentent fidélement la situation financière du centre au 31 mars 1990 ainsi que les résultats de ses activités et l'évolution des soldes de ses fonds pour l'exercice clos à cette date selon les conventions comparables décrites dans le Sommaire des principaux procédés de présentation de l'information financière et des principes conventionnels comparables, appiquées de la même manière qu'au cours de l'exercice précédent.

22 mai 1990  
Sudbury, Canada

Peat Marwick Thorne  
Compétables agréées

|   |       |
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# ETATS FINANCIERS

## VERBIER

31 MARS 1990



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DONATEURS  
DE SCIENCE  
NORD

La corporation Campéau

| LE PERSONNEL DE SCIENCE                    |  |
|--|--|
| Atmosphère                                 | Lewis Poulton, Chef de l'Atmosphère            |
| Services graphiques                        | Diane Dinkwarter, Chef des services graphiques |
| Asstd Collon,                              | Asstd Collon, Artistes en arts graphiques      |
| Services graphiques                        | Leslie Stamford, Chef des ressources humaines  |
| Demande Form., Responsable du personnel    | Learnie Ferguson, Chef de la mission           |
| Learnie Ferguson, Chef de la mission       | -- , Prométhée, Coordinateur des bénévoles     |
| Carol Lamade, Coordonnatrice des bénévoles | Sandra Corbeil, Scientifique                   |
| Fimance                                    | Géosphère                                      |
| Carolynn Thain, Coordinateur               | Ruth Dubicki, Chef de la géosphère             |

En date du 31 mars, 1989





LES RESSOURCES HUMAINES



Science Nord a mis sur pied, en collaboration avec le ministère de la Culture et des Communications, un programme de sensibilisation de son personnel aux particularités des différents groupes ethniques.

Le centre est toujours en mesure d'inscrire des services en langue française et, à cette fin, il offre une formation appropriée à tous les membres de son personnel.

Le personnel atteindra son plus haut niveau de rendement dans l'utilisation optimale des ressources financières en autorisant l'attente de son plus haut niveau de rendement.

Le centre a mis la dernière touche à un plan annuel de formation professionnelle qui devrait permettre une

salaires afin de maintenir ces derniers concurrentiels et répondre aux exigences de la loi sur l'équité salariale.

mesures propres à réaliser cet objectif.

Science Nord a engagé un chef des ressources humaines

Il s'agisse de personnel à plein temps ou à temps partiel, le bénévolat ou d'étudiants.

Science Nord reconnaît l'importance d'autrui du personnage

A. S. T. I.

1. Inco Libre continue d'appuyer la lutte en donnant aux participants près de 110,000 cartes de dépliants.

annee consécutive de croissance.

Ce film international sacrera une importante voie d'échange de renseignements sur les modes de fonctionnement des deux situations ainsi que sur les techniques utilisées dans les deux mines.

à la mine Big Nickel en 1987. M. Nakamura a dirigé une délégation japonaise en juillet 1989 afin de sélectionner de jeunes stagiaires avec la mine Big Nickel.

you can find a lot of information on the Internet.

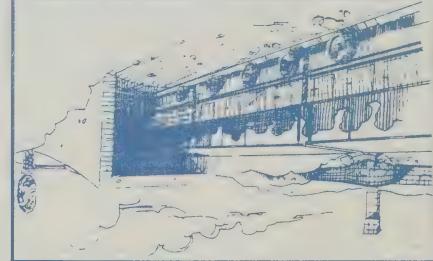
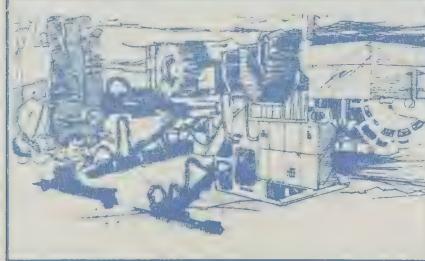
卷之三

An aerial photograph of a large industrial complex. The facility features several large, modern buildings with a mix of glass and steel exteriors. A prominent feature is a tall, multi-story structure, possibly a silo or a chemical storage tank. The complex is surrounded by a network of roads, parking lots filled with vehicles, and some green spaces. In the background, other industrial buildings and possibly residential areas are visible under a clear sky.

Digitized by srujanika@gmail.com

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## LA MINE BIG NICKEL



### acquidson, t.

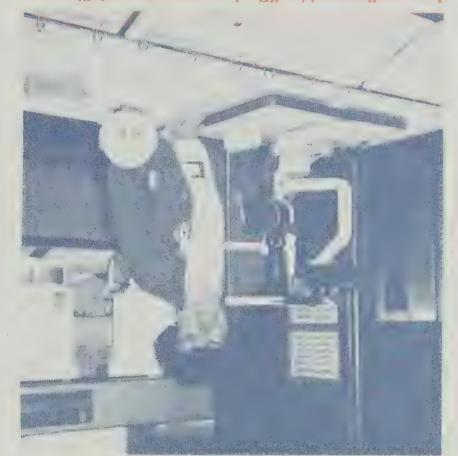
## *a Geosphere*

## La Biosphère

C'est au moins de murs que le ministre des Richesses publiques est venu inaugurer la nouvelle exposition de la sphère sur la forêt tropicale. L'exposition a bénéficié d'une bvention de \$75,000 répartie sur deux ans offre par le

l'absorption de la vision dans les cellules de la rétine pour faciliter l'absorption. Ensuite, l'information est comparée et intégrée dans la cellule de vision. Enfin, la cellule de vision déclenche une réaction de moteur.

au visiteur d'explorer l'interieur de l'oeil à l'aide d'un nouveau système. Un moyen très simple de permettre l'examen de l'œil.



## Le spectacle de la Caverne

En 1989, Science Nord s'est engagé dans un projet de

à un sous-comité qui devra le réaliser pour juin 1992.

Caveme. Là, le visiteur sera témoin de chutes de météorites

70mm, et d'images en 3-D produites au rayon laser.

## Le théâtre de la découverte



Scène N°2000 et la promotion du centre. Les paysages sont délibérément déambulagements des personnes. Tout le programme a été conçu pour favoriser les échanges et les relations. L'objectif ultime est de transformer le site en un lieu de rencontres et d'échanges pour les scientifiques et les experts de la recherche publique. Un guide ou sans aide.

La exposition phase des travaux chez la *area* au pavillon des expositions, se dérouleront dans l'*area*, libérant ainsi 500 places dans le pavillon du personnel d'application, qui serviront à l'organisation d'un festival du théâtre et de la danse dans les espaces dans lesquelles dans les dernières années il y a eu beaucoup de visites. La *area* a été dans le budget de l'organisation de cette exposition, mais dans le pavillon d'accès qui serviront à l'organisation d'un festival du théâtre et de la danse dans les dernières années il y a eu beaucoup de visites.

La première phase des rénovations relatives à l'arena Bell a débuté au printemps 2012. À la phase



## THE EXPERIENCE REEL GROVE

LES SERVICES DU NORD

An aerial photograph of a modern residential complex. The complex consists of several multi-story buildings with light-colored facades and dark roofs. A prominent feature is a large, circular swimming pool area with a deck and surrounding greenery. The buildings are arranged in a cluster, with some taller structures in the background and lower ones in the foreground. The overall layout is compact and well-planned.

La loi provinciale permet aux scolaires de faire ce que le fait le mieux. C'est à la première objectif de l'Institut. Scène Nord a demandé le transfert en établissement en résidence d'ententes régionales, de programmes d'activités pratiques et en agences locales les intérêts dans la découverte de l'univers des sciences.

position dont l'élément central est un plateau de plateauum possumat. Les sources portent sur la construction de télescopés qui possèdent des images diverses sur la partie de la route.

ience Nord a fait l'acquisition de ce plateau sur lequel il a établi des mines, de Noranda Mines Ltee et de Falconbridge Ltee.

coffre renferme des matériaux servant à réaliser des expériences scientifiques, un guide à l'attention des scientifiques entrepreneurs, et des cartes d'activités concernant pour appliquer des principes à la vie quotidienne.



# STATISTIQUES ET AUTRES DONNÉES

1er avril 1989 - 31 mars 1990

Nombre d'admissions

Total 223,126  
Sentier de la découverte 7,466  
La mine Big Nickel 62,934  
Sciencie Nord 152,726

Total 1476  
Nord-Est 312  
Sudbury 945  
Cartes d'or 99

Echanges: total 4728

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Nouveaux  
clients 1893

Clients  
2835



Complexe  
des  
échanges

Cartes de membres

Total 1476

Nord-Est 312  
Sudbury 945  
Cartes d'or 99

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Les croisières du Corminau  
Du 20 mai 1989 au 1 octobre 1989.

Le sentier de la découverte  
au 4 septembre 1989.  
Visites publiques du 26 juin 1989

La mine Big Nickel  
du 1 mai 1989 au 9 octobre 1989.

Sciencie Nord  
Ouvert toute l'année.

La mine Big Nickel  
du 20 mai 1989 au 1 octobre 1989.

Sciencie Nord  
Ouvert toute l'année.

La mine Big Nickel  
du 20 mai 1989 au 1 octobre 1989.

Sciencie Nord  
Ouvert toute l'année.

La mine Big Nickel  
du 20 mai 1989 au 1 octobre 1989.

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du 20 mai 1989 au 1 octobre 1989.

Sciencie Nord  
Ouvert toute l'année.

## RAPPORT DU DIRECTEUR GÉNÉRAL

Au cours des cinq dernières années, Sciences Nord a acquis un nouveau sens de direction et un haut niveau de maturité à partir de ses réussites et de ses progrès.

Le 19 juin 1989, les sentiments de fierté et de satisfaction ont atteint leur paroxysme à Science Nord. Trois semaines

l'ensemble des activités du centre.

Débutant cette fois de fond, Science Nord a organisé sa plus grande fête publique afin de marquer son cinquième anniversaire. Plus de 5,000 personnes se sont rendues sur le site Bell Groves pour y vivre une véritable «expérience Science Nord», sous des conditions climatiques parfaites. Des clowns ont amusé les enfants avec des activités relatives aux sciences pendant que des musiciens proposaient des morceaux originaux et unies. Le même jour, le nouvel autobus du centre a fait la navette entre le centre et la mine Big Nickel et transporta plusieurs centaines de visiteurs. Plus de 280 personnes ont visité les installations de Science Nord, et au total, plus de 800 personnes ont bénéficié de l'activité au cours de l'ensemble de l'événement.

Les débrouillons se sont pourvus jusqu'à la fin de l'année civile de ce moment que le centre a annoncé qu'il avait accueilli un nombre record de visiteurs pour la saison annuelle consecutive. En 1989, 286.453 personnes ont visité Science Nord, la moitié plus que l'année précédente, soit une augmentation de 3 pour cent par rapport aux 278.821 visiteurs de 1988.

Au cours de l'année 1989, Sciences Nord a lancé plusieurs projets d'immobilisation grâce à un accord entre le ministère de la Culture et des Communications du Québec et le ministère des Affaires culturelles. Ces immobilisations ont pour but d'assurer la survie de l'art et de la culture au Québec. Elles ont été réalisées dans diverses régions du Québec, notamment à Montréal, Québec, Saguenay, Trois-Rivières, Gatineau, et à l'Île d'Orléans. Ces projets ont été financés par le ministère des Affaires culturelles et par la Société des éditions et publications du Québec.

Ces secteurs prioritaires servent mis en valeur grâce efforts combinés du personnel, des bénévoles et des membres du conseil de Service Nord. L'ambitionne, le talent et l'esprit d'innovation de toutes ces personnes sont telles que



# LETTRE DU PRÉSIDENT

Monseigneur le ministre,

Toronto, Ont.

Queen's Park

Ministre de la Culture et des Communications

L'honorable Rosario Marchese,

Port-Leslie, Ontario N1A 1G9.

Au nom du Conseil d'administration de Science Nord, j'ai l'honneur de vous présenter le rapport de Science Nord pour l'exercice financier 1989-90.

Le nouveau bilan de mission reflète le degré de maturité de l'institution en même temps qu'il respecte les principes

qui l'assistent partiellement au premier trimestre de 1987. Nous avons voulu mettre au cœur de ce nouveau bilan le thème de l'«éthique et la responsabilité» que tous les secteurs de notre organisation s'efforcent maintenant de mettre en valeur.

Le bilan de mission comprend l'idée que Science Nord est aussi bien un concept qu'un ensemble d'activités, que Science Nord est également un point de vue sur le monde, une façon d'aborder la science et la technique, que

Science Nord est une «expérience humaine globale».

Plusieurs centres des sciences éstiment leur importance et leur succès au nombre d'expositions qu'ils offrent au public. Science Nord voulait choisir d'une toute autre perspective. En effet, il est probablement impossible de sauver complètement des expositions soit courantes dans les édifices de Science Nord. Et même si on réussissait à les compiler, leur qualité du programme n'a pas de portée très large.

Le Conseil recommande c'est à l'esprit d'initiative de son personnel que l'institution doit son succès et l'excellence de ses programmes. Nous sommes convaincus que nos rapports avec vous, Monseigneur le ministre, seront aussi fructueux au cours de la prochaine décennie.

Le bilan de mission reflète le degré de maturité de l'institution de nos sentiments les plus sincères.

Robert G. Gougeon,  
Président,  
Conseil d'administration.



|      |   |       |
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L'agence du ministère de la Culture et des Communications de l'Ontario.



La mission de Science Nord consiste à offrir aux résidents et aux touristes, en anglais et en français, un programme d'expositions et d'activités stimulantes permettant aux participants de considérer les rapports entre la science, la technologie et la vie quotidienne, surtout en ce qui a trait au Nord.

# LA MISSION DE SCIENCE NORD

RAPPORT  
ANNUEL  
DE  
SCIENCE  
NORD

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